

PROCEEDINGS
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TWO NEW PIGMY SHREWS OF THE GENUS
MICROSOREX.

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A study of the pigmy shrews of the genus *Microsorex* in the collections of the U. S. Biological Survey and the U. S. National Museum, supplemented by specimens from several other museums, discloses two new forms which may be recognized by the following descriptions:

***Microsorex hoyi intervectus*, subsp. nov.**

Type-specimen.—No. 226979, U. S. National Museum, Biological Survey collection; ♀ adult, skin and skull; collected August 17, 1917, by Hartley H. T. Jackson. Original number 820.

Type-locality.—Lakewood, Oconto County, Wisconsin.

Diagnostic characters.—Similar externally to *Microsorex hoyi hoyi*, averaging slightly more grayish in summer pelage; skull more angular than that of *M. h. hoyi*, with distinctly broader and higher braincase. Smaller, darker and more grayish than *Microsorex hoyi eximius*, the skull smaller and with relatively shorter rostrum and palate, and weaker dentition.

Measurements.—Type-specimen: Total length, 92; tail vertebrae, 31; hind foot, 10. *Skull* of type-specimen: Condyllobasal length, 14.8; palatal length, 5.3; breadth of cranium, 7.1; interorbital constriction, 3.1; maxillary breadth, 4.4; maxillary tooth row, 4.9.

Remarks.—This subspecies is in many respects an intermediate between *Microsorex hoyi hoyi* and *M. h. eximius*. Its geographic range extends from Quebec to northern Michigan and northern Wisconsin, thence northwest to northern Alberta, northwest Territories, and northern British Columbia.

***Microsorex hoyi washingtoni*, subsp. nov.**

Type-specimen.—No. 91007, U. S. National Museum, Biological Survey collection; ♀ adult, skin and skull (posterior and basal part of cranium broken); collected September 26, 1897, by Vernon Bailey. Original number 6293.

Type-locality.—Loon Lake, Stevens County, Washington.

Diagnostic characters.—Size small; about the size of *Microsorex hoyi thompsoni*, slightly larger than *Microsorex hoyi winnemana*; color more reddish brown (less grayish) than in any other member of the genus; skull about the size of that of *M. h. thompsoni* with slightly broader cranium.

Measurements.—Type-specimen: Total length, 89; tail vertebrae, 27; hind foot, 9. *Skull* of type-specimen: Condylar basal length, 13.9; palatal length, 5.2; breadth of cranium, 6.6; interorbital breadth, 3.0; maxillary breadth, 4.1; maxillary tooth row, 4.6.

Remarks.—A single specimen, the type, has been examined of this form of *Microsorex* which is well differentiated from other subspecies in its reddish brown color.

The study of all available material of this genus, consisting of about 135 specimens, has resulted in the recognition of the following forms:

- Microsorex hoyi hoyi* (Baird)
- Microsorex hoyi thompsoni* (Baird)
- Microsorex hoyi winnemana* Preble
- Microsorex hoyi interiectus* Jackson
- Microsorex hoyi alnorum* (Preble)
- Microsorex hoyi eximius* (Osgood)
- Microsorex hoyi washingtoni* Jackson.